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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

JANUARY 1937

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Growing and feeding grain sorghums. J. H. Martin and J. S. Cole, Bureau of Plant Industry, and A. T. Semple, Bureau of Animal Industry. 46 p., illus. (F. B. 1764F.) Price, 10¢.

Guides for buying sheets, blankets, and bath towels. Bess M. Viemont, Margaret B. Hayes, and Ruth O'Brien, Bureau of Home Economics. 28 p., illus. (F. B. 1765F.) Price, 5¢.

Soil defense in the Piedmont. E. M. Rowalt, in collaboration with subject-matter specialists of the Soil Conservation Service. 63 p., illus. (F. B. 1767F.) Price, 15¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Controlling lungworms of swine. Benjamin Schwartz, Bureau of Animal Industry. 5 p., illus. (Leaf. 118L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Selenium occurrence in certain soils in the United States with a discussion of related topics—Second report. Horace G. Byers, Bureau of Chemistry and Soils. 79 p., illus. (T. B. 530T.) Price, 10¢.

Neutralization curves of the colloids of soils representative of the great soil groups. M. S. Anderson and Horace G. Byers, Bureau of Chemistry and Soils. 39 p., illus. (T. B. 542T.) Price, 10¢.

Soil conservation reconnaissance survey of the southern Great Plains wind-erosion area. Arthur H. Joel, Soil Conservation Service. 68 p., illus. (T. B. 556T.) Price, 25¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Market classes and grades of calves and vealers. Don J. Slater and M. T. Foster, Bureau of Agricultural Economics. 32 p., illus. (Cir. 28C., rev.) Price, 10¢.

The Houma potato: A new variety. C. F. Clark and F. J. Stevenson, Bureau of Plant Industry; and J. C. Miller, Louisiana Agricultural Experiment Station. 4 p., illus. (Cir. 420C.) Price, 5¢.

DEPARTMENT CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletins. The series ended in 1927 and is succeeded by the Circular series.

Tuberculin testing of livestock. Elmer Lash, Bureau of Animal Industry. 18 p., illus. (D. C. 249D., rev.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

List of publications of the United States Department of Agriculture from January 1931, to December 1935, inclusive. Supplementary to Miscellaneous Publications Nos. 9 and 153. Mabel G. Hunt, Office of Information. 64 p. (M. P. 252M.)

A graphic summary of farm tenure (based largely on the Census of 1930 and 1935). H. A. Turner, Bureau of Agricultural Economics. 52 p., illus. (M. P. 261M.) Price, 10¢.

OTHER PUBLICATIONS

Measurement of precipitation. Instructions for the measurement and registration of precipitation by means of the standard instruments of the United States Weather Bureau. Revised, 1936. Benjamin C. Kadel, Weather Bureau. 25 p., illus. (W. B. 771WB.) Price, 10¢.

Report of the Chief of the Soil Conservation Service, 1936. H. H. Bennett. 52 p. Price, 10¢.

The use book. A manual of information about the national forests. Grazing section. Revised, 1936. 113 p. Price, 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Order regulating the handling of anti-hog-cholera serum and hog-cholera virus and approved marketing agreement for handlers of anti-hog-cholera serum and hog-cholera virus. Effective December 7, 1936. Bureau of Animal Industry. 28 p. (B. A. I. Order 361.)¹

Bureau of Animal Industry, Service and Regulatory Announcements. December 1936; pp. 121-132. (S. R. A.-B. A. I. 356.) Price, 5¢.²

Regulations for carrying into effect the Process or Renovated Butter Act. Bureau of Dairy Industry. 7 p. (B. D. I. Order no. 1, rev.)¹

Notice of lifting of quarantine no. 53. Satin moth quarantine. Effective November 2, 1936. Bureau of Entomology and Plant Quarantine. 1 p. (B. E. P. Q. Lifting Q 53.)¹

Amendment of regulations governing the entry of potatoes into the United States. Effective December 1, 1936. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q-Potato Regs.)¹

Modification of pink bollworm quarantine regulations. Effective December 1, 1936. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q-Q 52.)¹

Modification of Mexican fruit worm quarantine regulations. Effective November 16, 1936. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-64.)¹

Bureau of Entomology and Plant Quarantine, Service and Regulatory Announcements. July-September 1936. Pp. 95-150. (S. R. A.-B. E. P. Q. 128).¹

Notices of Judgment under the Caustic Poison Act. Food and Drug Administration. 6 p. (N. J., C. P. 41-55.)¹

Notices of Judgment under the Insecticide Act. Food and Drug Administration. Pp. 275-299. (N. J., I. F. 1451-1490.)¹

Notice of Judgment under the Regulations of the Naval Stores Act. Food and Drug Administration. 1 p. (N. J., N. S. no. 12.)¹

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no 1, January 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

Crops and markets. Vol. 13, no. 12, December 1936. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month; \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 76, no. 1, January 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.²

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 7, no. 12, December 1936. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

—Vol. 53, no. 9. November 1, 1936. Illus.

Contents:

- Histological and cytological changes in sugar-beet seedlings affected with curly top (G-1027). Ernst Artschwager and Ruth C. Starrett.
- Relative susceptibility of certain species of Gramineae to *Cercospora herpotrichoides* (G-1031). Roderick Sprague.
- Intraspecific and interspecific aversion in *Diplodia* (G-1036). Paul E. Hoppe.
- The effect of storage upon the vitamin A content of alfalfa hay (Ariz.-11). Margaret Cammack Smith.
- Phytophthora root rot of cauliflower (Calif.-78). C. M. Tompkins, C. M. Tucker, and M. W. Gardner.
- A subirrigation method of supplying nutrient solutions to plants growing under commercial and experimental conditions (Ind.-26). Robert B. Wlthrow and J. P. Blebel.
- Role of insects in the distribution of cotton wilt caused by *Fusarium vasinfectum* (Tex.-15). J. J. Taubenhaus and L. Dean Christensen.
- Relation of the carotene content of certain feed materials to their vitamin A potency (Tex.-16). C. S. Fraps, Ray Treichler, and A. R. Kummerer.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Journal of agricultural research. Vol. 53, no. 10. November 15, 1936. Illus.

Contents:

- Influence of environment during maturation on the disease reaction and yield of wheat and barley (G-1033). B. B. Bayles.
- Variability of fiber length in a relatively uniform strain of cotton (G-1034). T. R. Richmond and H. J. Fulton.
- Nitrogen utilization by *Ophiobolus graminis* (G-1039). Hurley Fellows.
- The insecticidal action of acid lead arsenate on the larvae of the Japanese beetle in different types of soil (K-276). Walter E. Fleming, Francis E. Baker, and Louis Koblitsky.
- Influence of black point disease, seed treatment, and origin of seed on stand and yield of hard red spring wheat (N. Dak.-14). L. R. Waldron.
- The influence of commercial fertilizers, potassium iodide, and soil acidity on the iodine content of certain vegetables (Pa.-55). Warren B. Mack and Eugene P. Brasher.

Monthly weather review. Vol. 64, no. 10, October 1936. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 17, no. 10, December 1936; no. 11, January 1937. Price, 10¢ a copy.²

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 2, no. 7, January 1937. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 1-4, January 5-26, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.